



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D5735-1**  
**Job Sheet 203332**

Accounting Job RD19-1069-01



Part No: D5735-1

Job Qty: 1 pcs

Part Name: FWD Wearplate



Part Weight: 0 lbs

Status: New

Job Created: 11/15/19

Job Tracking No:

Due Date: 11/29/19

Created By: Marie Lajeunesse

Type: R+D

Description:

Note: URF 19-1206 DWG D5735/DSK193-1F Rev.A/A IPP Rev. A 19.11.08 New issue DP Verify DD

Ship Via:

**POSITIVE RECALL**EFFECTIVE 19/11/19 AUTH MD

RELEASED 9 DATE 19-11-26

9-89 Priority: Medium

**Bill of Materials****Job Routing**

| Op No | Operation           | Qty      | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off     |
|-------|---------------------|----------|------------|----------|-----------|---------|-----------------------|-----------|--------------|
|       |                     |          |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |              |
| 100   | Waterjet - Flow - 1 | 1<br>pcs |            | 11/29/19 | 0.17      | 0.25    | Waterjet - Flow       |           |              |
| 110   | QC 2                | 1<br>pcs |            | 11/29/19 | 0.00      | 0.00    | QC 2 - 1              |           | 11/20/19 JRB |
|       |                     |          |            |          |           |         | QC 2 - 12             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 14             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 17             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 19             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 2              |           |              |
|       |                     |          |            |          |           |         | QC 2 - 20             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 22             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 23             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 25             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 32             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 33             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 35             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 39             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 4              |           |              |
|       |                     |          |            |          |           |         | QC 2 - 40             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 44             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 45             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 48             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 49             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 50             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 51             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 52             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 57             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 62             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 63             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 8              |           |              |
|       |                     |          |            |          |           |         | QC 2 - 66             |           |              |
|       |                     |          |            |          |           |         | QC 2 - 64             |           |              |

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com



Container No: S233306



Part: D5735-1

Job No: 203332

Serial No/Batch: S233306

Revision: U/R A &amp; A

Inspector:

Exp Date:

Instructions:

Date 11/20/19

Plex 11/15/19 9:53 AM Dart.lajeunesse.marie

11/15/2019

[Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

|                                 |          |          |           |                             |                               |
|---------------------------------|----------|----------|-----------|-----------------------------|-------------------------------|
| 120 QC 8                        | 1<br>pcs | 11/29/19 | 0.00 0.00 | QC 2 - 65                   |                               |
|                                 |          |          |           | QC 2 - 5                    |                               |
|                                 |          |          |           | QC 2 - 71                   |                               |
|                                 |          |          |           | QC 2 - 73                   |                               |
|                                 |          |          |           | QC 2 - 69                   | JRB 11/20/19                  |
|                                 |          |          |           | QC 8 - 12                   |                               |
|                                 |          |          |           | QC 8 - 14                   |                               |
|                                 |          |          |           | QC 8 - 17                   |                               |
|                                 |          |          |           | QC 8 - 20                   |                               |
|                                 |          |          |           | QC 8 - 25                   |                               |
|                                 |          |          |           | QC 8 - 3                    |                               |
|                                 |          |          |           | QC 8 - 32                   |                               |
|                                 |          |          |           | QC 8 - 33                   |                               |
|                                 |          |          |           | QC 8 - 35                   |                               |
|                                 |          |          |           | QC 8 - 39                   |                               |
|                                 |          |          |           | QC 8 - 4                    |                               |
|                                 |          |          |           | QC 8 - 44                   |                               |
|                                 |          |          |           | QC 8 - 45                   |                               |
|                                 |          |          |           | QC 8 - 49                   |                               |
|                                 |          |          |           | QC 8 - 58                   |                               |
|                                 |          |          |           | QC 8 - 8                    |                               |
|                                 |          |          |           | QC 8 - 9                    |                               |
|                                 |          |          |           | QC 8 - 68                   |                               |
|                                 |          |          |           | QC 8 - 67                   |                               |
|                                 |          |          |           | QC 8 - 1 (A)                |                               |
|                                 |          |          |           | QC 8 - 47                   |                               |
|                                 |          |          |           | QC 8 - 40                   | DAS<br>NOV 20 2019 40<br>9-89 |
|                                 |          |          |           | QC 8 - 52                   |                               |
|                                 |          |          |           | QC 8 - 23                   |                               |
|                                 |          |          |           | QC 8 - 57                   |                               |
|                                 |          |          |           | QC 8 - 76                   |                               |
|                                 |          |          |           | QC 8 - 61                   |                               |
| 130 Small Fab - Brake NC - B4B  | 1<br>pcs | 11/29/19 | 0.25 0.17 | Small Fab - Brake - 1 - B4B | DAS<br>30<br>9-89 NOV 25 2019 |
|                                 |          |          |           | Small Fab - Brake - 2 - B4B |                               |
|                                 |          |          |           | Small Fab - Brake - 3 - B4B |                               |
| 140 QC 5                        | 1<br>pcs | 11/29/19 | 0.00 0.00 | QC 5 - 10                   |                               |
|                                 |          |          |           | QC 5 - 12                   |                               |
|                                 |          |          |           | QC 5 - 17                   |                               |
|                                 |          |          |           | QC 5 - 18                   |                               |
|                                 |          |          |           | QC 5 - 19                   |                               |
|                                 |          |          |           | QC 5 - 22                   |                               |
|                                 |          |          |           | QC 5 - 24                   |                               |
|                                 |          |          |           | QC 5 - 3                    |                               |
|                                 |          |          |           | QC 5 - 43                   |                               |
|                                 |          |          |           | QC 5 - 49                   |                               |
|                                 |          |          |           | QC 5 - 51                   |                               |
|                                 |          |          |           | QC 5 - 58                   |                               |
|                                 |          |          |           | QC 5 - 68                   |                               |
|                                 |          |          |           | QC 5 - 9                    |                               |
|                                 |          |          |           | QC 5 - 50                   |                               |
|                                 |          |          |           | QC 5 - 30                   |                               |
|                                 |          |          |           | QC 5 - 40                   | DAS<br>NOV 25 2019 40<br>9-89 |
|                                 |          |          |           | QC 5 - 61                   |                               |
|                                 |          |          |           | QC 5 - 81                   |                               |
| 150 Packaging 3-1 - Stock - B4B | 1<br>pcs | 11/29/19 | 0.00 0.00 | Packaging 3 - 1 - B4B       |                               |
|                                 |          |          |           | Packaging 3 - 2 - B4B       |                               |
|                                 |          |          |           | Packaging 3 - 3 - B4B       |                               |

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|                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |                    |                         |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------|-------------------------|-----------|
|                                                                                                                                                                                                                                                                                                                                  | Packaging 3 - 4 - B4B  |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 5 - B4B  |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 6 - B4B  |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 7 - B4B  |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 8 - B4B  |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 9 - B4B  |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 10 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 11 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 12 - B4B | EL                 |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 13 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 14 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 15 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 16 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 17 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 18 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 19 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 20 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 21 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 22 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 23 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 24 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 25 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 26 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 27 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 28 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 29 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 30 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 31 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 32 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 33 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 34 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 35 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Packaging 3 - 36 - B4B |                    |                         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | 160 QC 21 - SA         | 1<br>pcs           | 11/29/19 0.00 0.00      |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |                    | QC 21 - SA - 21         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |                    | QC 21 - SA - 70         |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |                    | QC 21 - SA - 53         |           |
| Part Op 100 - 1-Cut DSK193-1F as per dwg prog rev: <u>A</u> dwg rev: <u>A</u> 2-Deburr if required<br>Descriptions: 110 - QC2- Inspect parts off machine FAI/FAIB<br>120 - QC8- Inspect parts - second check<br>130 - Form as per dwg D5735<br>140 - QC5- Inspect part completeness to step on W/O<br>150 - Identify as per dwg & Stock Location: <u>W/O</u><br>160 - QC21- Final Inspection - Work Order Release |                        |                    |                         |           |
| <b>Job BOM</b>                                                                                                                                                                                                                                                                                                                                                                                                    |                        |                    |                         |           |
| Part / Item                                                                                                                                                                                                                                                                                                                                                                                                       | Component Name         | Quantity           | Operation               | Container |
| M304S16GA                                                                                                                                                                                                                                                                                                                                                                                                         | 304/316 Sheet .063     | .4920 sf (.492 ea) | 100-Waterjet - Flow - 1 | 5209058   |
| <b>Job Allocations</b>                                                                                                                                                                                                                                                                                                                                                                                            |                        |                    |                         |           |
| Operation                                                                                                                                                                                                                                                                                                                                                                                                         | Component Part         | Required           | Inventory               | Allocated |
| 100-Waterjet - Flow - 1                                                                                                                                                                                                                                                                                                                                                                                           | M304S16GA              | 0                  | 266                     | 0         |
| <b>Part Specifications</b>                                                                                                                                                                                                                                                                                                                                                                                        |                        |                    |                         |           |
| Specifications could not be found.                                                                                                                                                                                                                                                                                                                                                                                |                        |                    |                         |           |

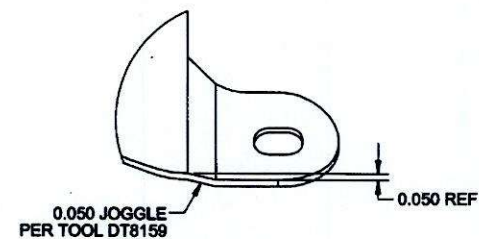
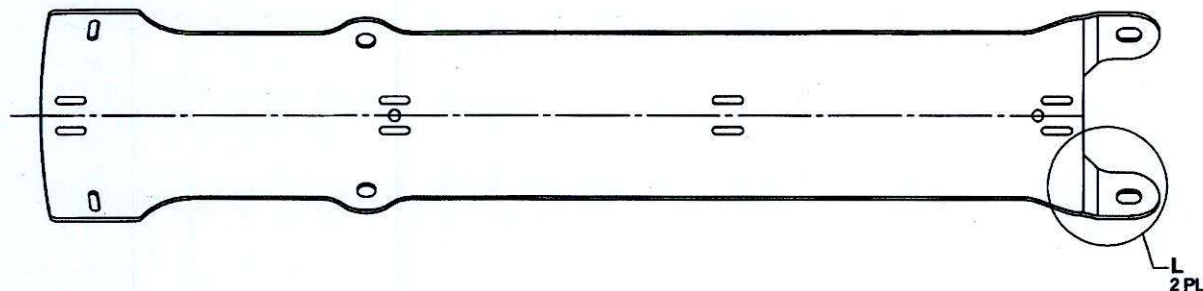
NOV 27 2019

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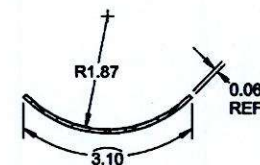
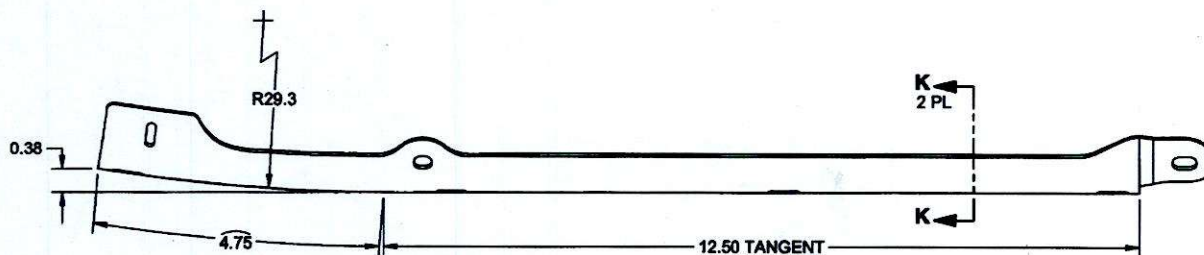
8 7 6 5 4 3 2 1

D

D



**DETAIL L**



**SECTION K-K**

**D5735-1 FWD WEARPLATE**

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT

UNDER REVIEW  
URF 19-1206 19.11.07 (VM)

NOTES:  
1) MATERIAL: AISI 304/316 SS SHEET ANNEALED, 16 GAUGE (0.063) THICK  
PER MIL-S-5059 OR AMS 5513 OR AMS 5524 OR ASTM A240 OR ASME SA240  
REF DSK193-1F

2) FINISH: NONE  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010  
6) IDENTIFICATION: NONE  
7) WEIGHT: 1.02 lbs

WITHOUT NOTICE  
WORK ORDER  
NO. 203332

MLJ  
19-11-15

APPROVED

|            |          |                                                                                                                                                                                                                                                                                               |               |
|------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| DESIGN     | ZF       | <b>DART AEROSPACE USA, INC.</b><br>HILLSBORO, OR                                                                                                                                                                                                                                              |               |
| DRAWN      | ZF       |                                                                                                                                                                                                                                                                                               |               |
| CHECKED    | MW       | DRAWING NO.                                                                                                                                                                                                                                                                                   | REV. A        |
| MFG. APPR. | DD       | D5735                                                                                                                                                                                                                                                                                         | SHEET 9 OF 13 |
| APPROVED   | NO       | TITLE                                                                                                                                                                                                                                                                                         | SCALE         |
| DE APPR.   | DS       | TRAINING WEARPLATES                                                                                                                                                                                                                                                                           | NTS           |
| DATE       | 19.08.20 | COPYRIGHT © 2019 BY DART AEROSPACE USA, INC.<br>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS<br>NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT<br>THE WRITTEN PERMISSION FROM DART AEROSPACE USA, INC. |               |

A

8 7 6 5 4 3 2 1



|                           |  |              |             |
|---------------------------|--|--------------|-------------|
| DART AEROSPACE LTD        |  | Work Order:  | 203332      |
| Description: DSK 193      |  | Part Number: | DSK 193-1   |
| Inspection Dwg: wearplate |  | Rev: A       | Page 1 of 1 |

### INSPECTION SHEET

| Drawing Dimension | Tolerance       | Actual Dimension | Accept | Reject | Method of Inspection | Comments |
|-------------------|-----------------|------------------|--------|--------|----------------------|----------|
| Ø 0.188           | +/-0.005/-0.001 | 0.191            | ✓      |        |                      |          |
| 1.48              | +/-0.030        | 1.48             | ✓      |        |                      |          |
| R1.00             | +/-             | R1.00            | ✓      |        |                      |          |
| Ø 0.15            | +/-0.030        | 0.152            | ✓      |        |                      |          |
| R0.08             | +/-             | R0.08            | ✓      |        |                      |          |
| Ø 0.50            | +/-0.030        | 0.501            | ✓      |        |                      |          |
| R0.13             | +/-             | R0.13            | ✓      |        |                      |          |
| 5.250             | +/-0.010        | 5.250            | ✓      |        |                      |          |
| 1.205             | +/-0.010        | 1.205            | ✓      |        |                      |          |
| 2.410             | +/-0.010        | 2.410            | ✓      |        |                      |          |
| Ø 0.300           | +/-0.010        | 0.301            | ✓      |        |                      |          |
| R0.50             | +/-             | R0.50            | ✓      |        |                      |          |
| Ø 0.300           | +/-0.010        | 0.302            | ✓      |        |                      |          |
| R0.13             | +/-             | R0.13            | ✓      |        |                      |          |
| 3.710             | +/-0.010        | 3.710            | ✓      |        |                      |          |
| 1.855             | +/-0.010        | 1.855            | ✓      |        |                      |          |
| 12.550            | +/-0.010        | 12.550           | ✓      |        |                      |          |
| 3.00              | +/-0.030        | 3.02             | ✓      |        |                      |          |
| 1.50              | +/-0.030        | 1.50             | ✓      |        |                      |          |
| R0.50             | +/-             | R0.50            | ✓      |        |                      |          |
| Ø 0.400           | +/-0.010        | 0.402            | ✓      |        |                      |          |
| Ø 0.300           | +/-0.010        | 0.304            | ✓      |        |                      |          |
| 1.000             | +/-0.010        | 1.000            | ✓      |        |                      |          |
| R0.13             | +/-             | R0.13            | ✓      |        |                      |          |
| 1.25              | +/-0.030        | 1.25             | ✓      |        |                      |          |
| 1.263             | +/-0.010        | 1.263            | ✓      |        |                      |          |
| 1.91              | +/-0.030        | 1.92             | ✓      |        |                      |          |
| 2.526             | +/-0.010        | 2.527            | ✓      |        |                      |          |
| 3.83              | +/-0.030        | 3.84             | ✓      |        |                      |          |

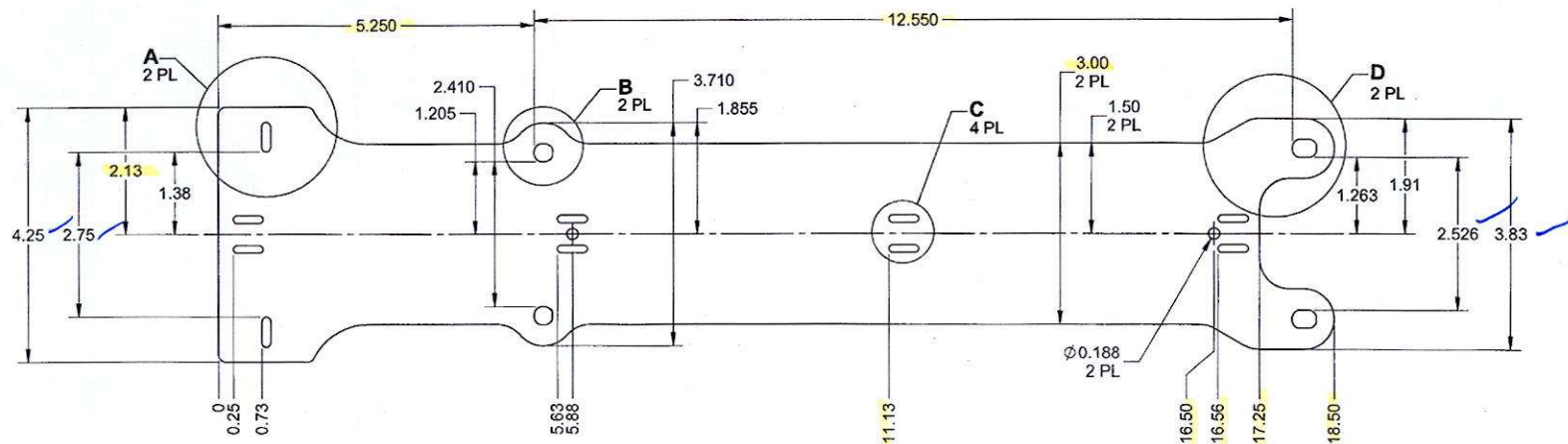
|              |             |               |
|--------------|-------------|---------------|
| Measured by: | Checked by: | QC Inspector: |
| Date:        | Date:       | Date:         |

|                                         |       |
|-----------------------------------------|-------|
| Engineering Approval:<br>(If necessary) | Date: |
|-----------------------------------------|-------|

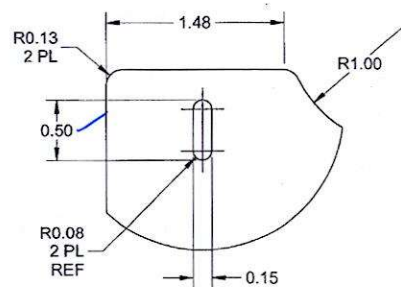
| Rev | Date     | Change    | Revised by | Approved |
|-----|----------|-----------|------------|----------|
| A   | 14.07.31 | New Issue | KJ         |          |



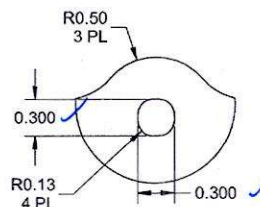




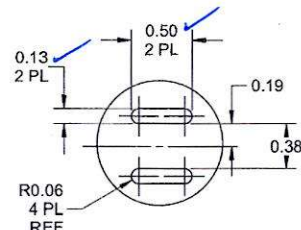
**DSK193-1F FLAT PATTERN**



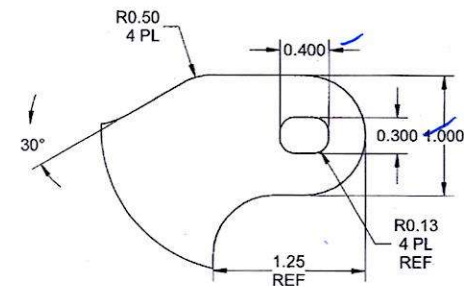
**DETAIL A**



**DETAIL B**



**DETAIL C**



**DETAIL D**

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET ANNEALED, 16 GAUGE (0.063) THICK  
PER MIL-S-5059 OR AMS 5513 OR AMS 5524 OR ASTM A240 OR ASME SA240  
REF DART SPEC M304S16GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 1.01 lbs
- 8) USE TO MAKE D5735-1

**RELEASED**  
2019-11-13  
ECL 19-1246

| REV.       | DESCRIPTION | BY                                                                                                                                                                                                                                                                                        | DATE         |
|------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| A          | NEW ISSUE   | ZF                                                                                                                                                                                                                                                                                        | 19.08.22     |
| DESIGN     | ZF          | <b>DART AEROSPACE USA, INC.</b><br>HILLSBORO, OR                                                                                                                                                                                                                                          |              |
| DRAWN      | ZF          |                                                                                                                                                                                                                                                                                           |              |
| CHECKED    | MW          | DRAWING NO.                                                                                                                                                                                                                                                                               | REV. A       |
| MFG. APPR. | DD          | DSK193                                                                                                                                                                                                                                                                                    | SHEET 1 OF 5 |
| APPROVED   | NO          | TITLE                                                                                                                                                                                                                                                                                     | SCALE        |
| DE APPR.   | N/A         | WEARPLATE FLAT PATTERN                                                                                                                                                                                                                                                                    | NTS          |
| DATE       | 19.08.22    | COPYRIGHT © 2019 BY DART AEROSPACE USA, INC.<br>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS<br>NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT<br>WRITTEN PERMISSION FROM DART AEROSPACE USA, INC. |              |